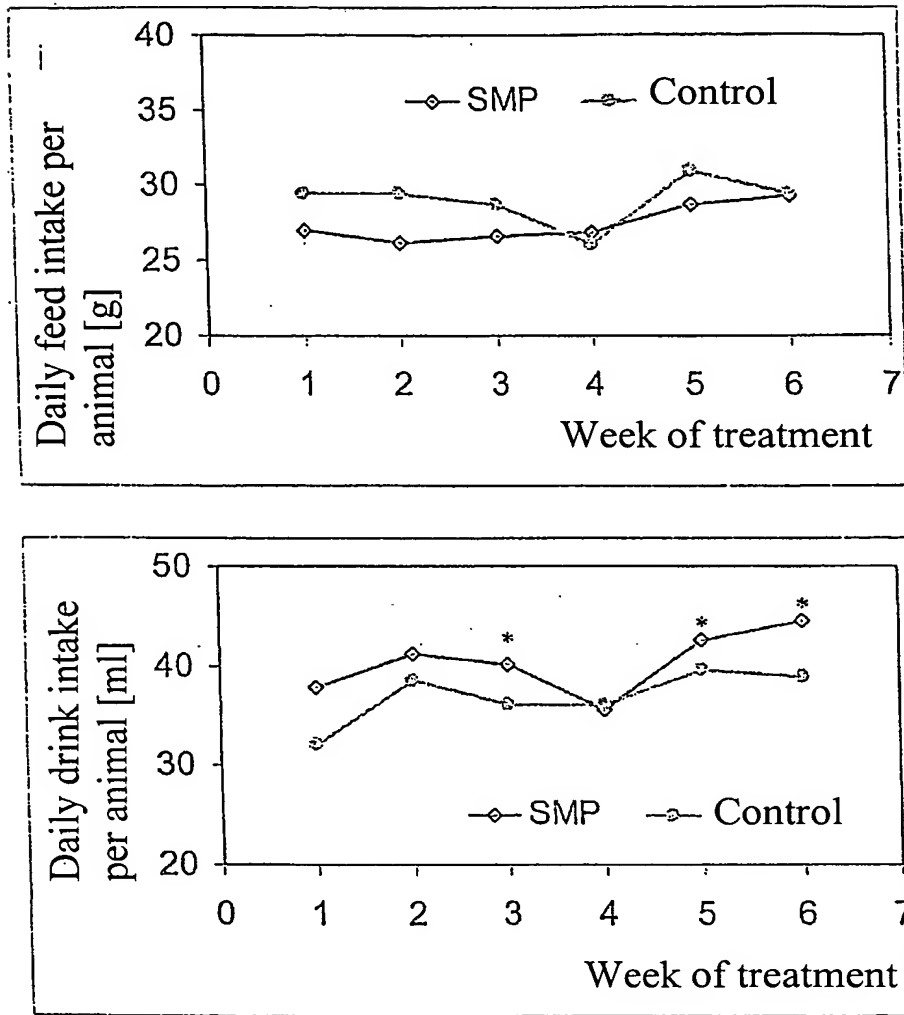
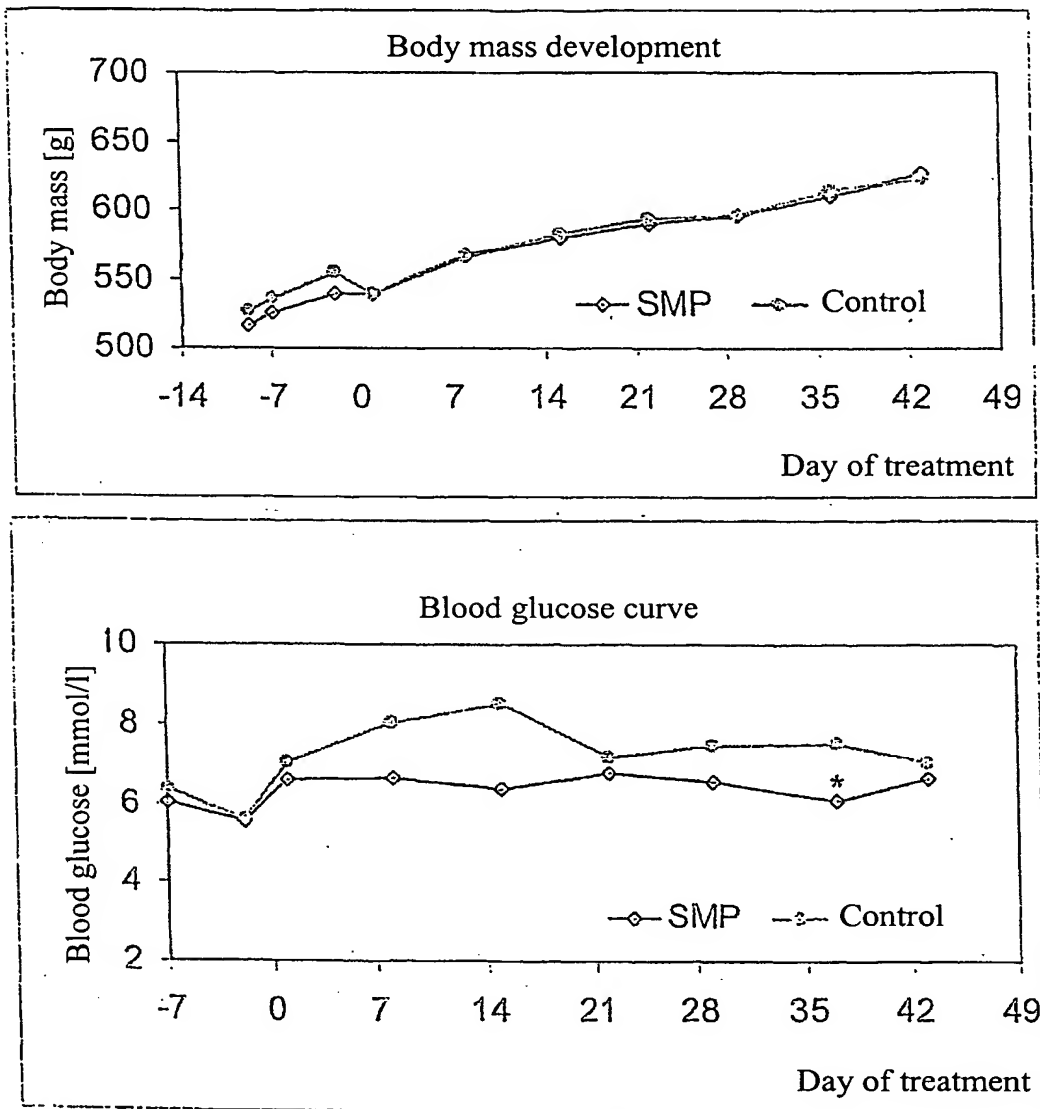


Fig. 1: Feed and drink intake in the observation period



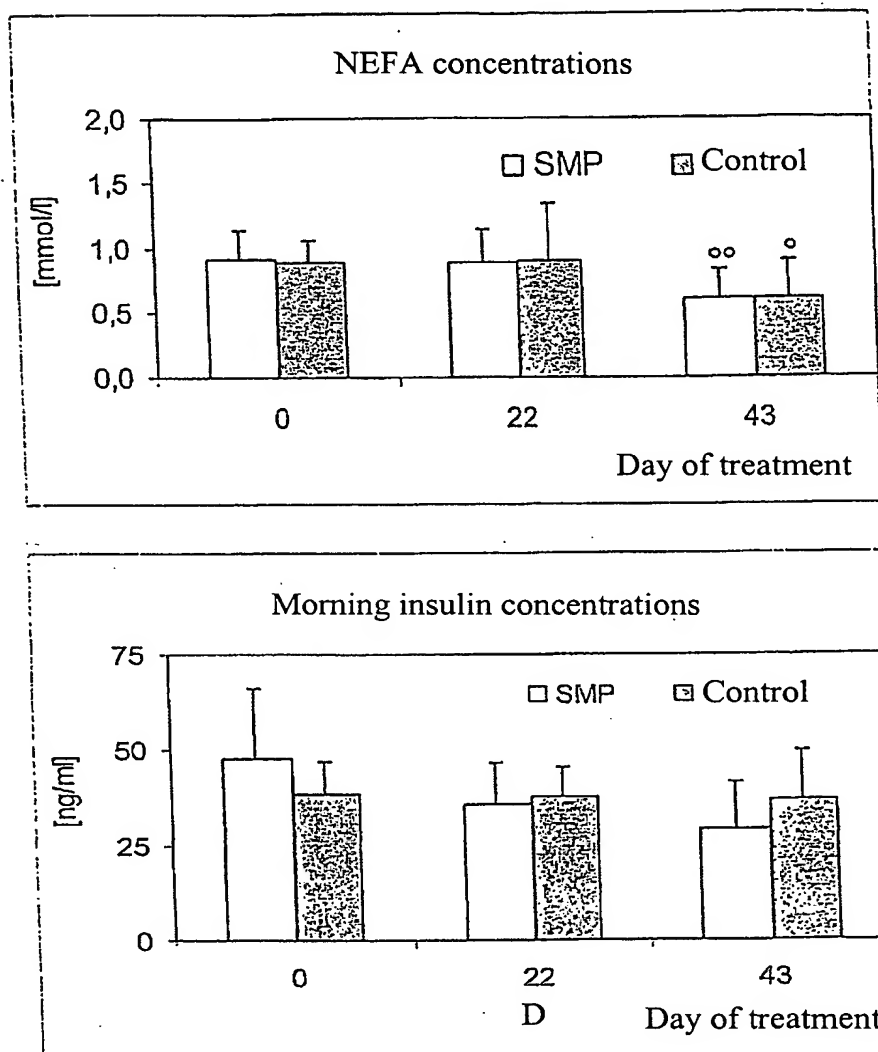
* $p < 0.05$ vs. control

Fig. 2: Body mass and blood glucose concentration in the observation period (7 days before the start of treatment and up to 42 days of treatment)



* $p < 0.05$ vs. control

Fig. 3a: Concentration of NEFA (non-esterified fatty acids) and insulin before the start of treatment, after 3 weeks and after 6 weeks of treatment $\text{mean} \pm \text{SD}$



° $p < 0.05$ vs. day 0

°° $p < 0.01$ vs. day 0

Fig. 3b: Concentrations of total and HDL cholesterol before the start of treatment, after 3 weeks and after 6 weeks of treatment, mean \pm SD

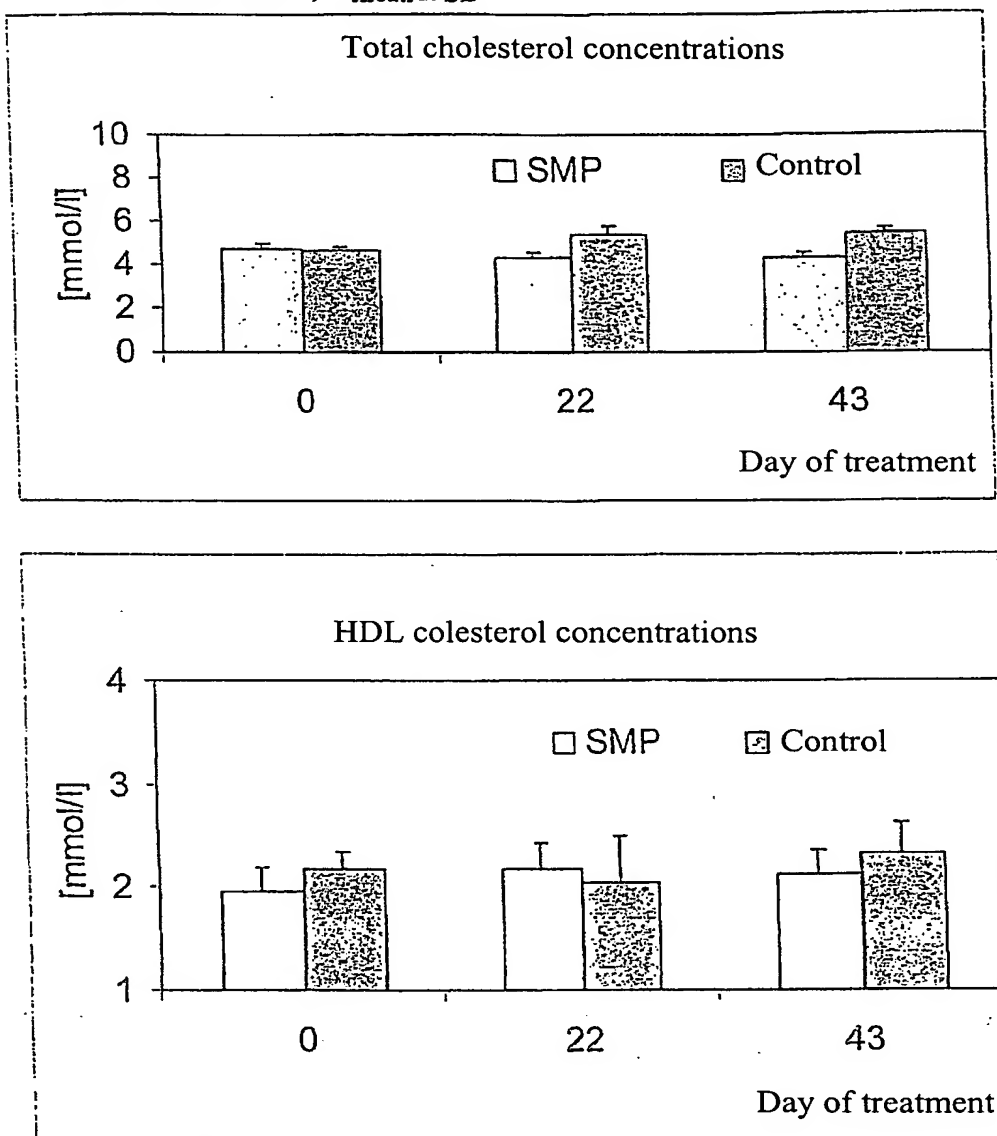


Fig. 3c : Concentrations of LDL cholesterol and triglycerides before the start of treatment, after 3 weeks and after 6 weeks of treatment

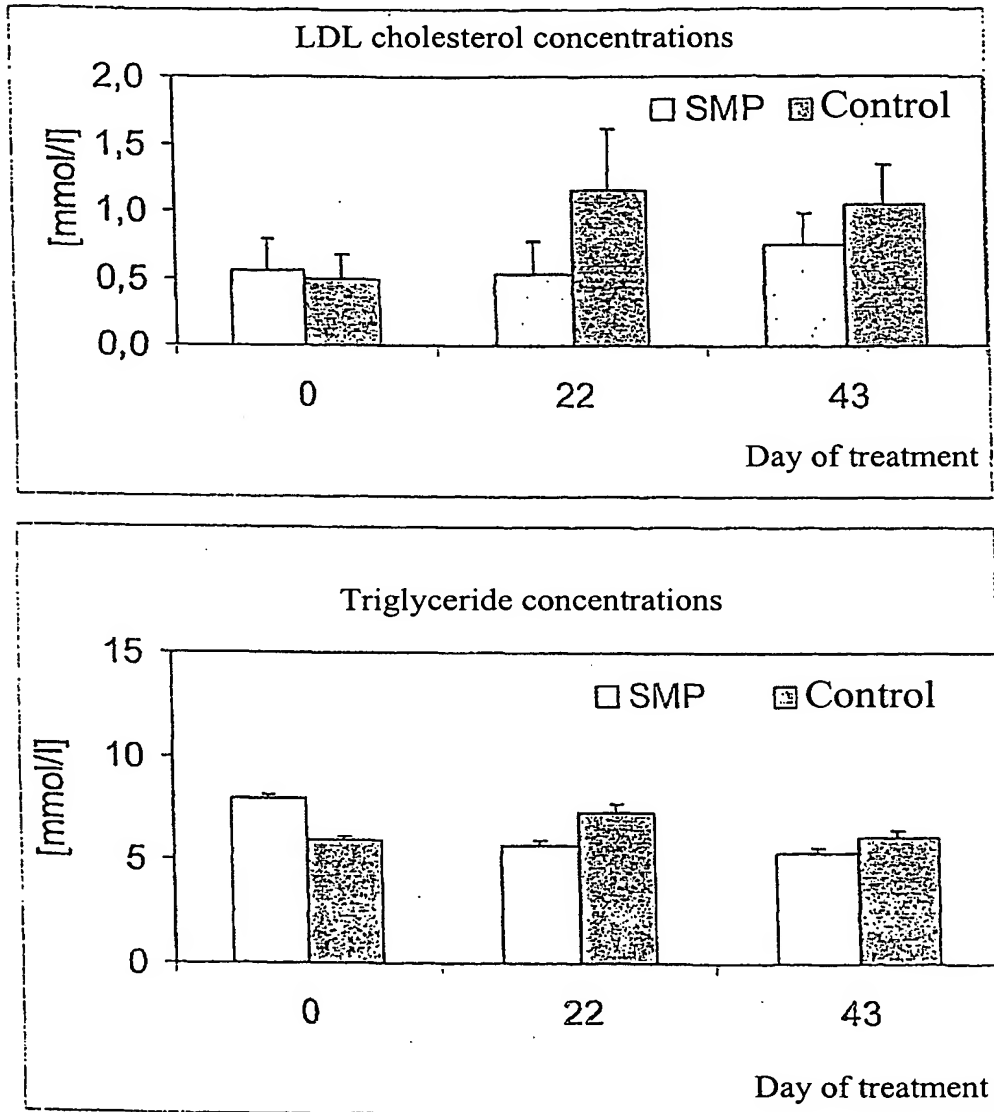


Fig. 3d: Concentrations of C-reactive protein before the start of treatment, after 3 weeks and after 6 weeks of treatment, mean \pm SD

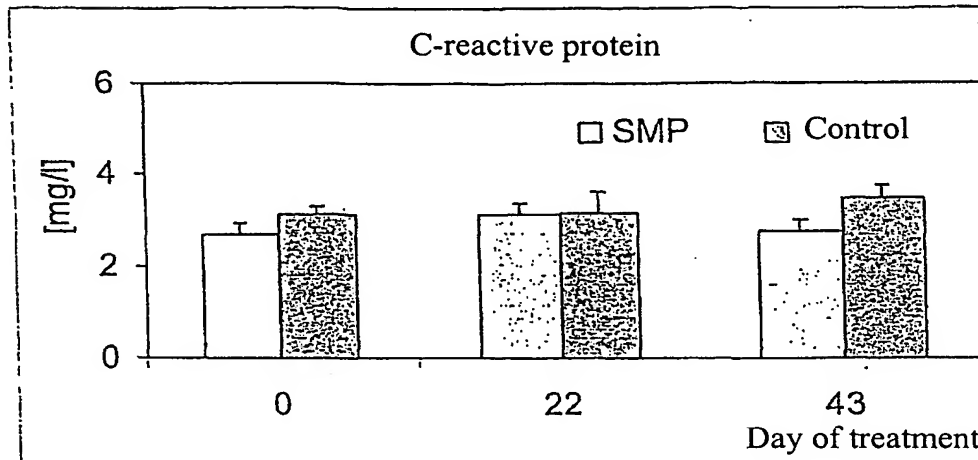


Fig. 3e: Number of leucocytes in 6-week observation period

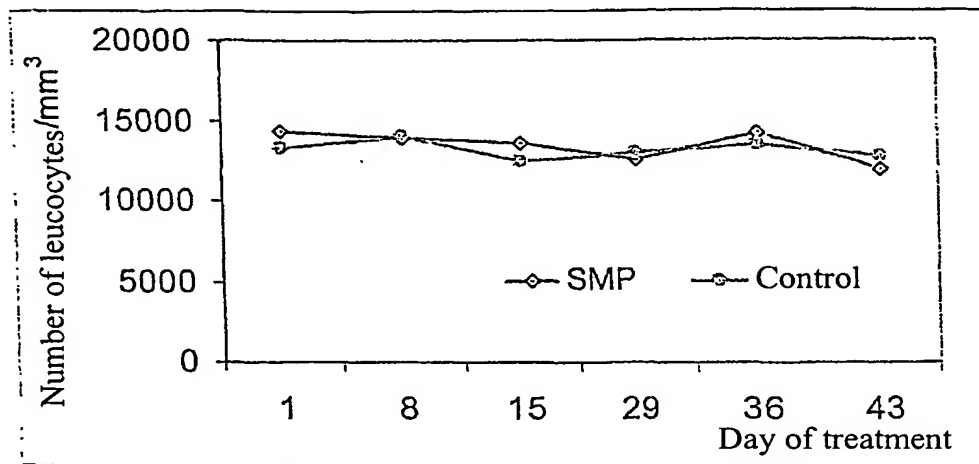


Fig. 4a: Blood glucose curve in the oGTT and glucose excess areas before the start of treatment

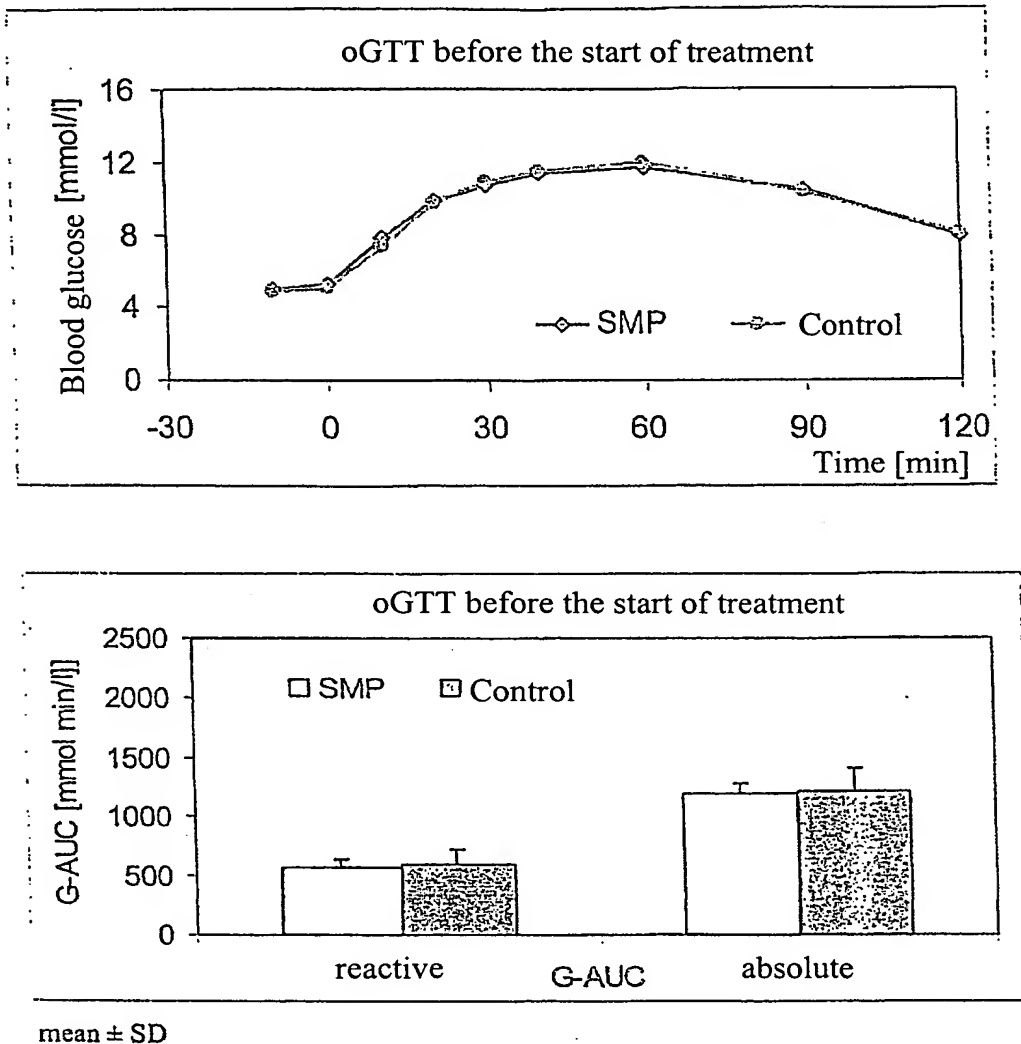


Fig. 4b: Curve of the insulin concentrations in the oGTT and insulin excess areas before the start of treatment

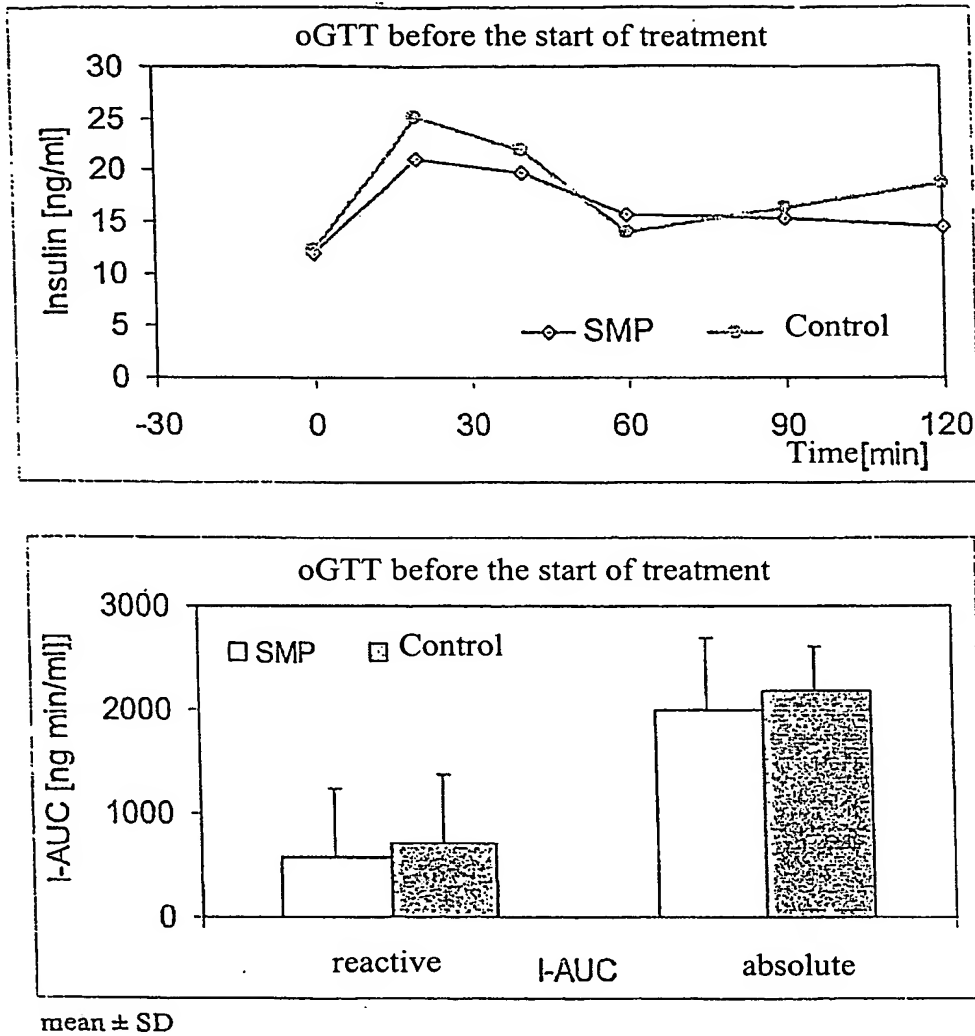


Fig. 5a: Blood glucose curve in the oGTT and glucose excess areas after 3 weeks of treatment

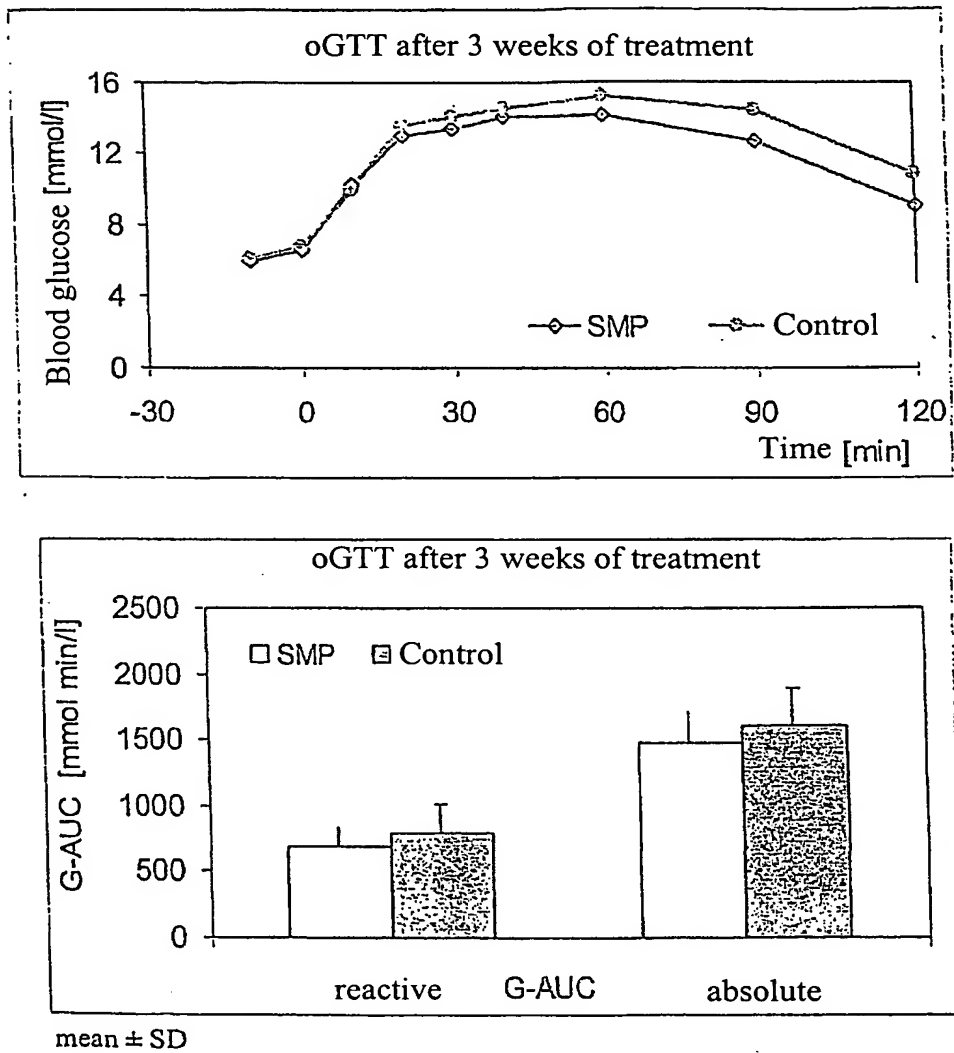


Fig. 5b: Curve of the insulin concentrations in the oGTT and
insuline excess areas after 3 weeks of treatment

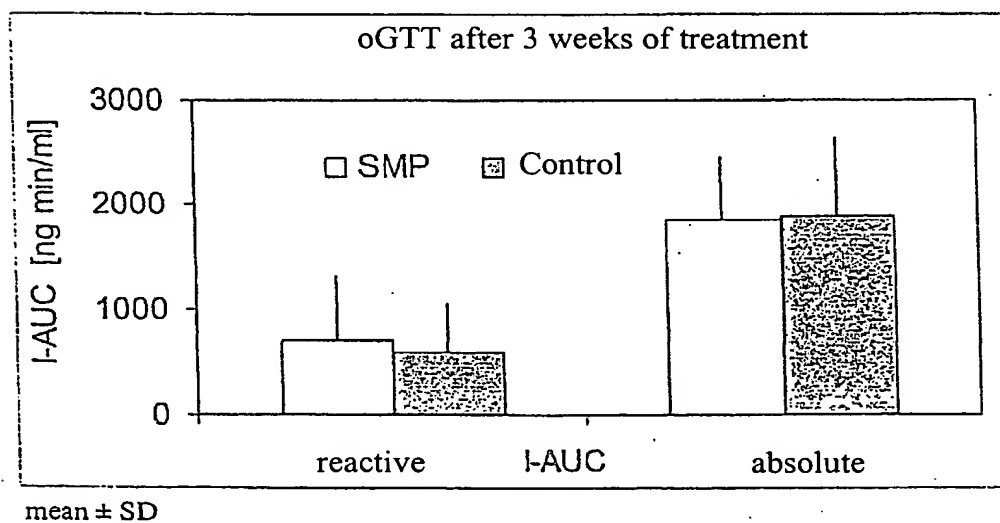
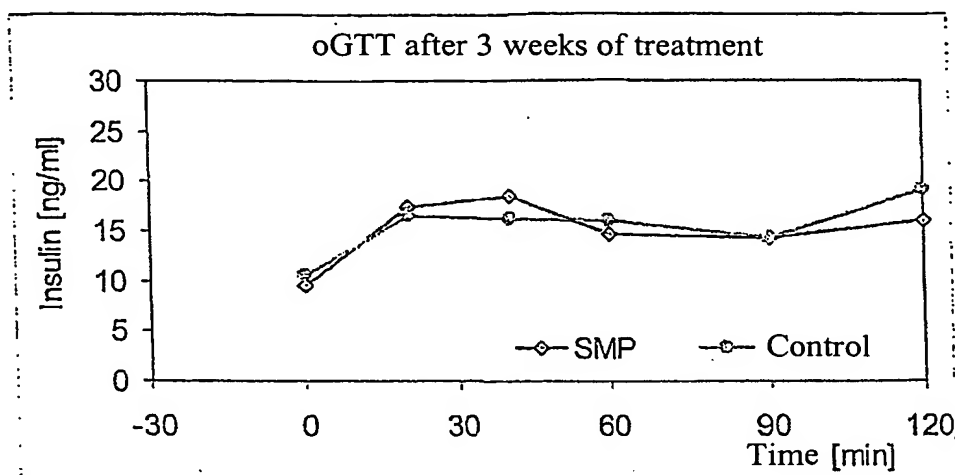
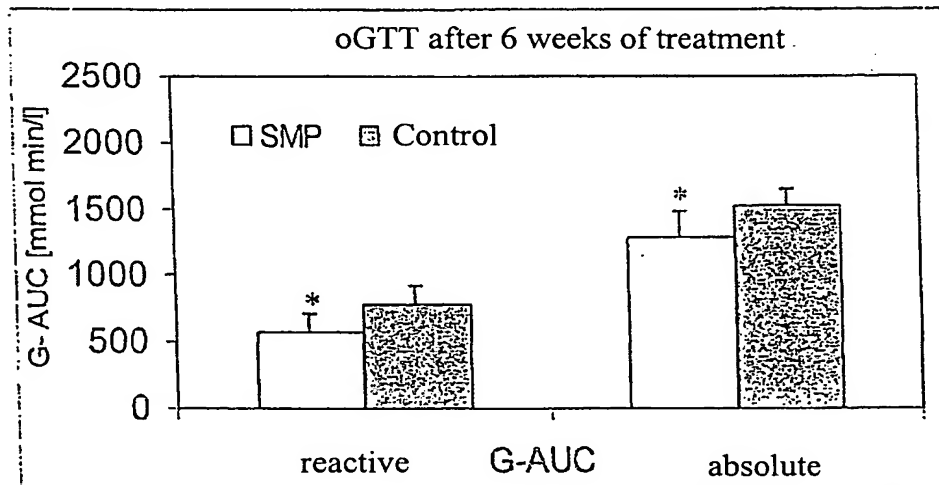
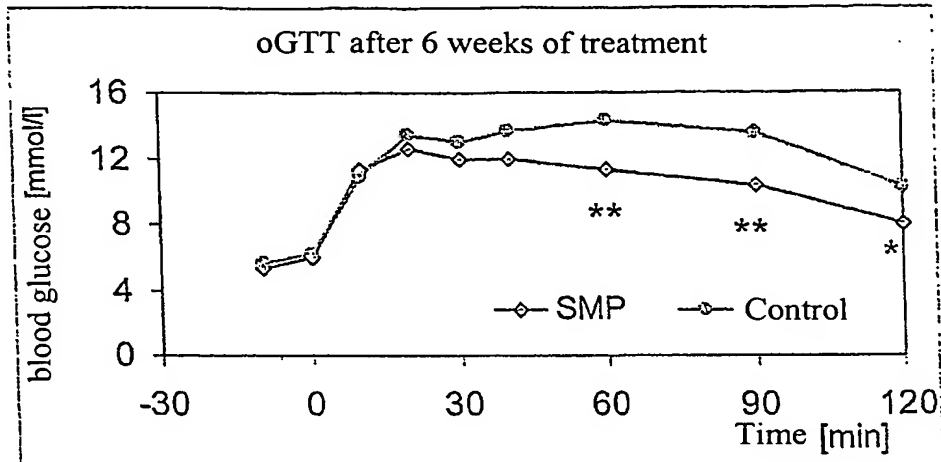


Fig. 6a: Blood glucose curve in the oGTT and glucose excess areas after 6 weeks of treatment



mean \pm SD * $p < 0.05$ vs. control
 ** $p < 0.01$ vs. control

Fig. 6b: Curve of the insulin concentrations in the oGTT and insulin excess areas after 6 weeks of treatment

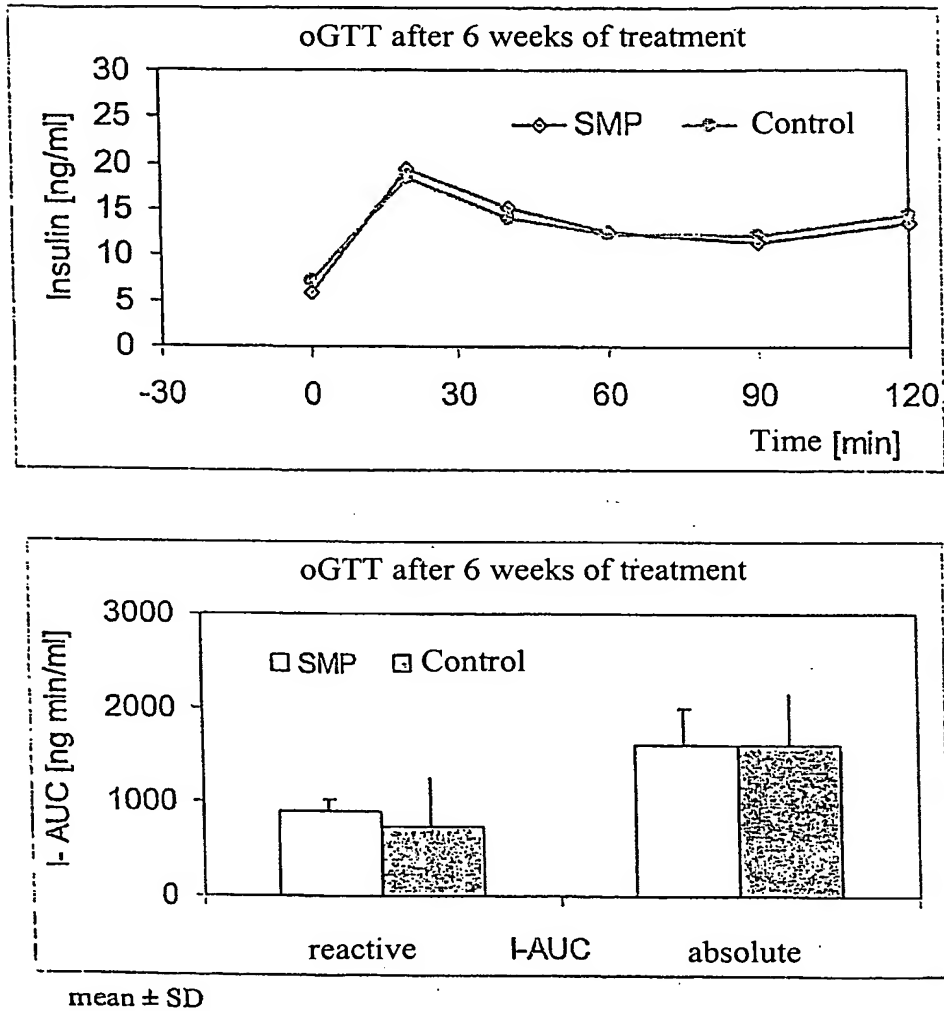


Fig. 7: Diurnal blood glucose and lactate profile before the start of treatment

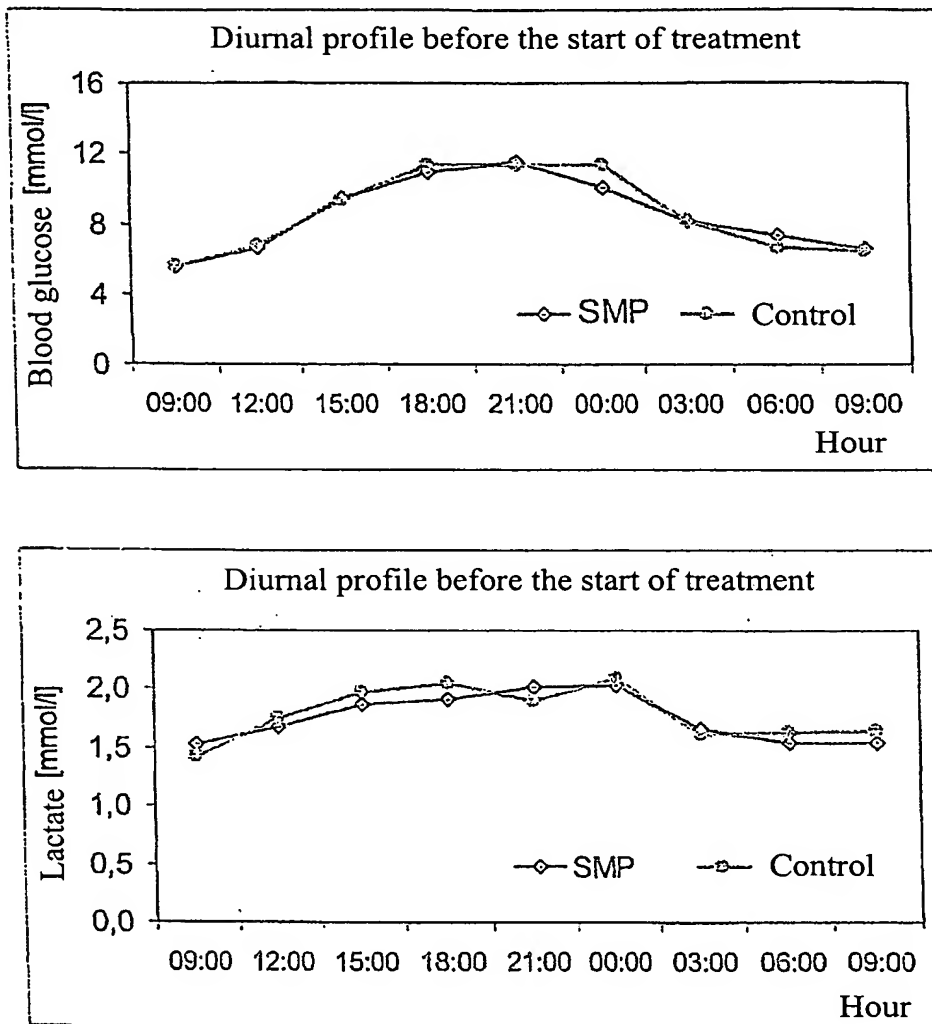
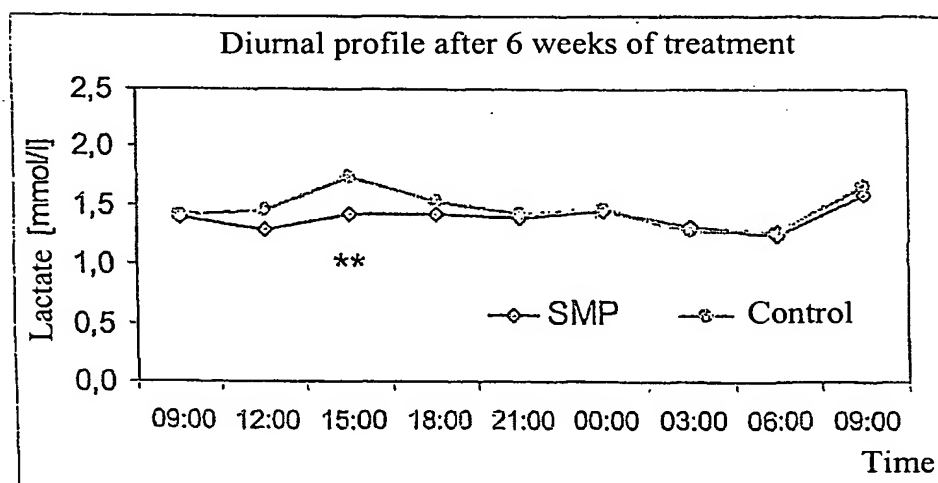
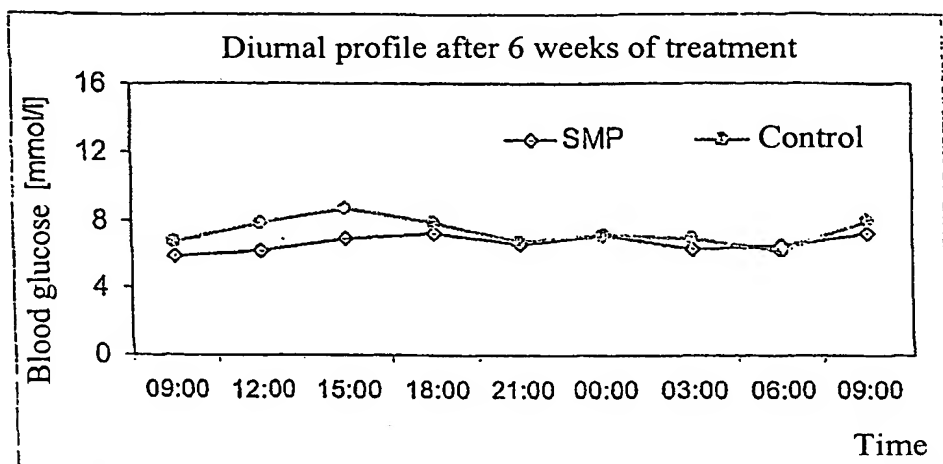


Fig. 8 : Diurnal blood glucose and lactate profile after 6 weeks of treatment



** $p < 0.01$ vs. control